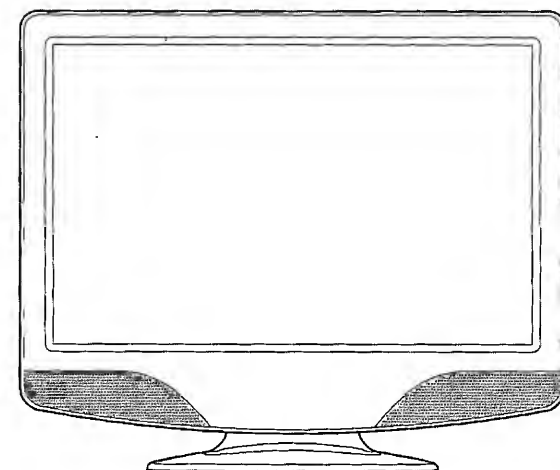


Digital Television Transition Notice:

This device contains a digital television tuner, so it should receive digital over the air TV programming, with a suitable antenna, after the end of full-power analog TV broadcasting in the United States on February 17, 2009. Some older television receivers, if they rely on a TV antenna, will need a TV Converter to receive over the air digital programming, but should continue to work as before for other purposes (e.g., for watching low-power TV stations still broadcasting in analog, watching pre-recorded movies, or playing video games).

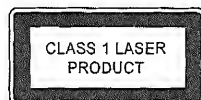
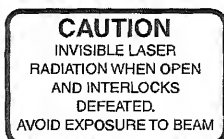
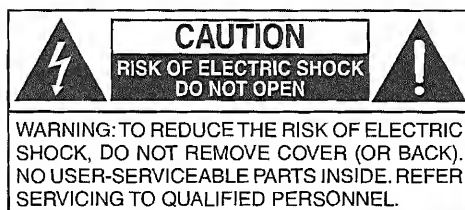
For more information, please see www.DTV.gov or call 1-888-CALL-FCC. For information on the TV Converter program, and on government coupons that may be used toward the purchase of one, see www.dtv2009.gov, or call the NTIA at 1-888-DTV-2009.

19" LCD TV + DVD

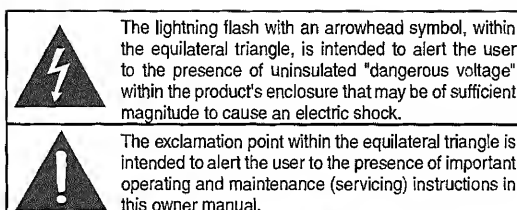


OWNER'S MANUAL

SAFETY PRECAUTIONS



This product contains a low power laser device.



CAUTION:

- DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.
- TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT OF WALL OUTLET, THEN FULLY INSERT.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

WARNING:

- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. DO NOT PLACE OBJECTS FILLED WITH LIQUIDS ON OR NEAR THIS UNIT.
- SHOULD ANY TROUBLE OCCUR, DISCONNECT THE AC POWER ADAPTER AND REFER SERVICING TO A QUALIFIED TECHNICIAN.
- TO BE COMPLETELY DISCONNECT THE POWER INPUT, THE AC/DC ADAPTER OF APPARATUS SHALL BE DISCONNECTED FROM THE MAINS.
- THE AC/DC ADAPTER OF APPARATUS SHOULD NOT BE OBSTRUCTED OR SHOULD BE EASILY ACCESSED DURING INTENDED USE.

PLACEMENT INFORMATION

- Do not use this unit in places that are extremely hot, cold, dusty or humid.
- Do not restrict the airflow of this unit by placing it somewhere with poor air flow, by covering it with a cloth, by placing it on bedding or carpeting.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

SAFETY INFORMATION

- When connecting or disconnecting the AC power cord, grip the plug and not the cord itself. Pulling the cord may damage it and create a hazard.
- When you are not going to use the unit for a long period of time, disconnect the AC power cord.

CONDENSATION INFORMATION

- When left in a heated room where it is warm and damp, water droplets or condensation may form inside the equipment. When there is condensation inside the unit, the unit may not function normally. Let the unit stand for 1-2 hours before turning the power on or gradually heat the room and let the unit dry before use.

RATING PLATE LOCATION

The rating plate is located on the rear of the unit.

FCC STATEMENTS

NOTE: This unit has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is not guarantee that interference will not occur in a particular installation. If this unit does cause harmful interference to radio or television reception, which can be determined by turning the unit off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the unit and receiver.
- Connect the unit into a wall outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



WARNING: Should any problems occur, disconnect the AC power adapter and refer servicing to a qualified technician.

NOTES ON COPYRIGHT

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, or rent copyrighted material without permission.

Apparatus Claims of U.S. Patent Nos. 6,836,549; 6,381,747; 7,050,698; 6,516,132; and 5,583,936 licensed for limited viewing uses only.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your wall outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments / accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

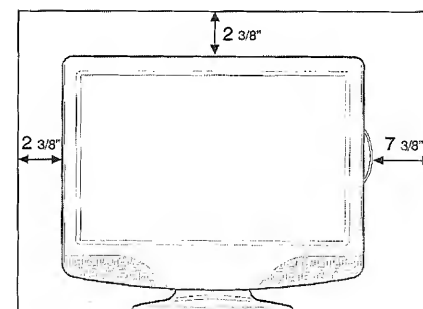


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QUICK INSTALLATION

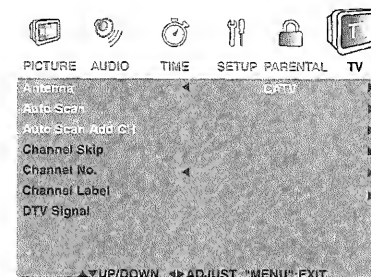
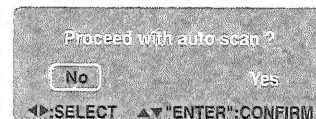
When you turn on your television set for the first time, be sure to place it on a solid stable surface. To avoid danger, do not expose the TV to water, or a heat source (e.g. lamp, candle, radiator). Do not obstruct the ventilation grid at the rear and be sure to leave sufficient gaps around the unit as shown.



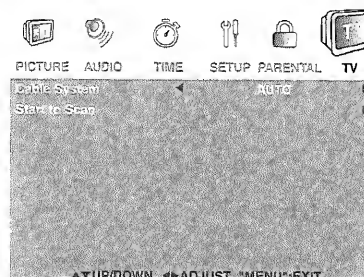
TURNING ON THE UNIT FOR THE FIRST TIME

The first time you turn on the unit, the unit will enter the setup mode. You can easily follow the prompt message on the screen to complete basic TV settings.

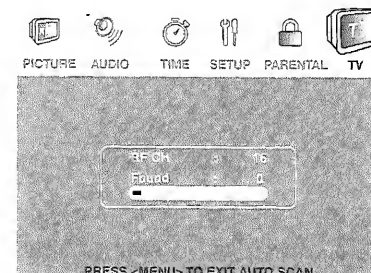
Make sure the RF antenna has been connected properly to the TV antenna input jack on the rear of the system.



1. Press the ◀ / ▶ button to select Yes. Press the ENTER button to proceed with the initial setup.



2. Use the ▲ / ▼ button to select Antenna, then press the ◀ / ▶ button to select Air or CATV.





3. Use the ▲ / ▼ button to select Auto Scan, then press the ▶ button to enter auto scan menu. Use the ▲ / ▼ button to select Start to Scan, press the ▶ button to begin scanning. (If you selected CATV on Step 2, you need to select Cable System before Start to Scan). The system will automatically start to scan and preset all available TV channels.


4. After scanning has finished the system will return to the first TV channel scanned.

DISC FORMATS

This unit can playback:

DVDs
[8cm/12cm disc]


audio CDs
[8cm/12cm disc]




CD-R CD-RW
Compatible

REGION MANAGEMENT INFORMATION

Region Management Information: This unit is designed and manufactured to respond to the Region Management Information that is encoded on DVD discs. If the Region number printed on the DVD disc does not correspond to the Region number of this unit, this unit cannot play that disc.


The region number of this unit is 1 .

DISC FUNCTION OR OPERATION THAT IS NOT AVAILABLE

When the  symbol appears on the screen, it indicates that the function or operation attempted is not available at that time. This occurs because the DVD disc manufacturer determines the specific functions. Certain functions may not be available on some discs. Be sure to read the documentation provided with the DVD.

ICONS USED ON DVDS

Sample Icons

1: English
2: French

Language selections for audio1: English
2: FrenchScreen aspect ratioMultiple camera anglesRegion code indicator

Note:

- When playing back a CD-G (Graphics) or CD EXTRA disc, the audio portion will be played, but the graphic images will not be shown.

TITLES, CHAPTERS AND TRACKS

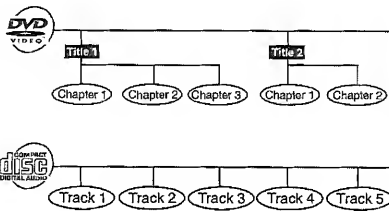
- DVDs are divided into "titles" and "chapters". If the disc has more than one movie on it, each movie would be a separate "title". "Chapters" are sections of titles.
- Audio CDs are divided into "tracks". A "track" is usually one song on an Audio CD.

Note:

- Numbers identify each title, chapter, and track on a disc. Most discs have these numbers recorded on them, but some do not.

NOTES ON UNAUTHORIZED DISCS

You may not be able to play back some DVD discs on this unit if they were purchased from outside your geographic area or made for business purposes.



ACCESSORIES

PLEASE CHECK AND IDENTIFY THE SUPPLIED ACCESSORIES.

- ☐ Remote control (with batteries) x 1
- ☐ AC Power Adatperx 1
- ☐ Car Power Adapterx 1

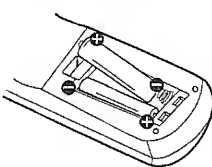
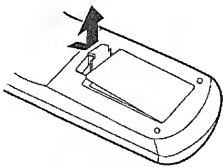
GETTING STARTED

USING THE REMOTE CONTROL

- Point the remote control at the REMOTE SENSOR located on the unit.
- When using this unit in a very brightly lit area, the infrared REMOTE CONTROL SENSOR may not work properly.
- The recommended effective distance for using the remote control is about 16 feet (5 metres).


TO INSTALL THE BATTERIES

1. Open the battery door.
2. Insert 2xAAA batteries



BATTERY REPLACEMENT


When the batteries become weak, the operating distance of the remote control is greatly reduced and you will need to replace the batteries.



CAUTION:
Danger of explosion if battery is incorrectly replaced.

NOTES

- If the remote control is not going to be used for a long time, remove the batteries to avoid damage caused by battery leakage corrosion.
- Do not mix old and new batteries. Do not mix ALKALINE, standard (CARBON-ZINC) or rechargeable (NICKEL-CADMIUM) batteries.
- Always remove batteries as soon as they become weak.
- Weak batteries can leak and severely damage the remote control.



WARNING:

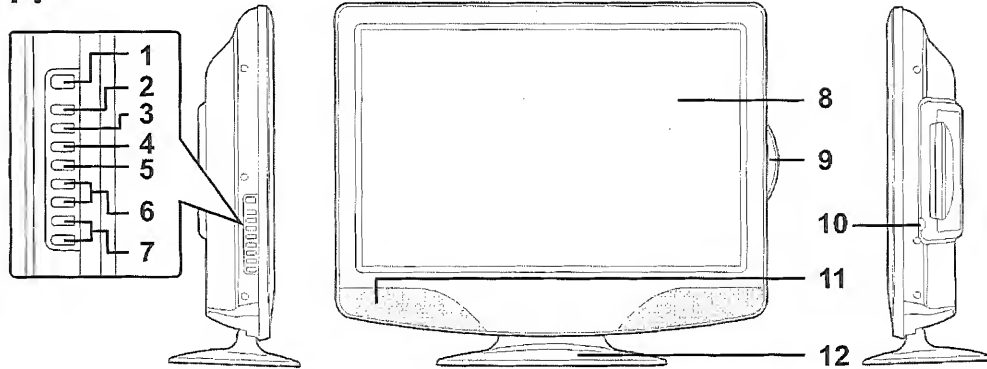
- Do not dispose of batteries in a fire. Batteries may explode or leak.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Many universal remote controls have a "learning" feature. We recommend you use that feature to program the remote control.

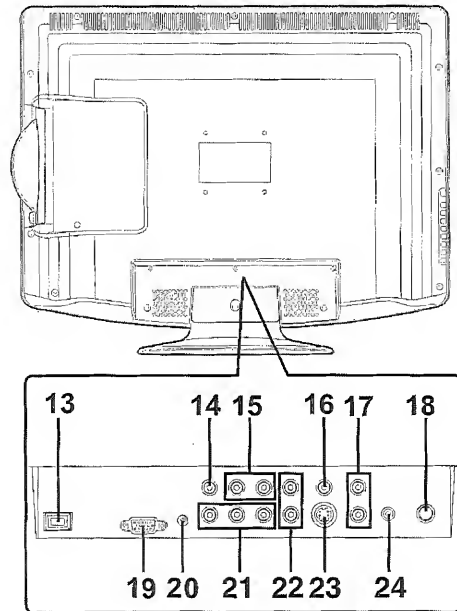
For any questions or problems related to programming a universal remote control, you must contact the customer service department of the universal remote control manufacturer for assistance, or refer to the instructions included with the universal remote control. We cannot offer assistance in programming universal remote controls.

CONTROL REFERENCE GUIDE

TV

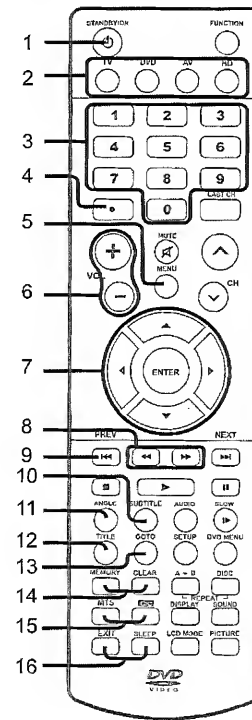


- 1) **⏻ / I button**
Turns the unit on and off.
- 2) **▶ PLAY button**
Press to start or resume playback of a disc.
- 3) **■ STOP button**
Press to stop playing a disc.
- 4) **MENU button**
Press to display the on-screen TV menu.
- 5) **FUNCTION button**
Select between TV / DVD / AV in / YPbPr in or PC in.
- 6) **CH buttons**
Press to change the TV channels and highlight selections (Up & Down) on the menu screen.
◀◀ button
Press to select previous title, chapter or track on a disc.
▶▶ button
Press to select next title, chapter or track on a disc.
- 7) **+ VOL – controls**
Adjust the volume level.
- 8) **Color LCD Screen**
- 9) **Disc Door**
Push gently to close the disc door.
- 10) **▲ button**
Press to open the disc door.
- 11) **Remote Sensor**
Do not block this sensor or the remote control will not work.
Standby Indicator
Indicates whether the unit is ON or in STANDBY (OFF) mode.
Light On: The unit is in STANDBY.
Light Off: The unit is turned ON.
- 12) **Removable Stand**
- 13) **DC IN jack**
- 14) **AV OUT Video Output jack**
- 15) **AV OUT Audio Output jacks (Left/Right)**



- 16) **AV IN Video Input jack**
- 17) **AV IN Audio Input jacks (Left/Right)**
- 18) **TV Antenna Cable Terminal - Coaxial TV Antenna Input**
- 19) **PC IN Monitor/VGA jack**
- 20) **PC IN Audio jack**
- 21) **YPbPr IN Component Video Input jacks (Y/Pb/Pr)**
- 22) **YPbPr IN Audio Input jacks (Left/Right)**
- 23) **AV IN S-Video Input jack**
- 24) **Headphones jack**

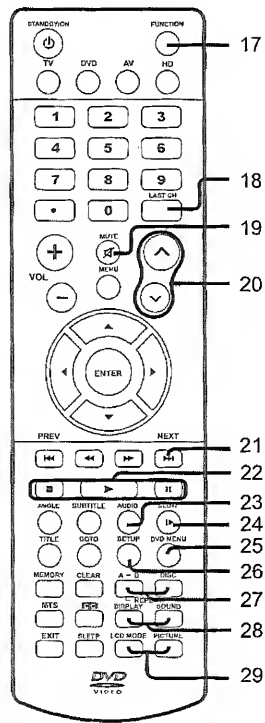
REMOTE CONTROL



1. **⏻ STANDBY / ON button**
Press to turn ON the unit or put it in STANDBY (OFF) mode.
2. **TV button**
Press to switch to TV mode.
DVD button
Press to switch to DVD mode.
AV button
Press to switch to source connected to AV IN.
HD button
Press to switch to source connected to YPbPr IN (component).
3. **Number (0 - 9) buttons**
4. **• [dot] button**
Use to enter digital sub-channels. (i.e. 11.3 or 12.7)
5. **MENU button**
Press to display the on-screen TV menu.

6. **VOLUME (- / +) buttons**
Press to adjust the volume level.
7. **CURSOR (◀, ▶, ▲, ▼) buttons**
Press to highlight selections on a menu screen and adjust certain settings.
ENTER button
Press to confirm selections on a menu screen.
8. **◀◀ / ▶▶ buttons**
◀◀ : Fast reverse playback.
▶▶ : Fast forward playback.
9. **PREV ◀◀ button**
Press to select previous chapters or tracks on a disc.
10. **SUBTITLE button**
Press to select one of the subtitle languages programmed on a DVD.
11. **ANGLE button**
Press to switch the camera angle of the video presentation when scenes with multiple camera angles are recorded on a DVD.
12. **TITLE button**
Press to show the Title menu.
13. **GOTO button**
Press to skip directly to a specific location on a DVD/CD.
14. **MEMORY button**
Press to set predetermined playback.
CLEAR button
Press to clear input selections.
15. **MTS button**
Press to switch between MONO sound, STEREO sound and Secondary Audio Program (SAP).
CC button
Press to activate the Closed Captioning feature. This function only works on programs broadcasted with captions.
16. **EXIT button**
Press to exit the TV SETUP menu and return directly to normal viewing.
SLEEP button
Press to set the SLEEP timer. The unit will remain on for the time that is set, and will automatically shut off afterwards.

REMOTE CONTROL



17. FUNCTION button

Press to switch between TV / DVD / AV IN / YPBPR IN / PC IN.

18. LAST CH button

Press to switch repeatedly between the last two channels displayed.

19. MUTE button

Press to turn off the sound.

20. CH \wedge / \vee CH buttons

Press \wedge / \vee to change the channels.

21. NEXT button

Press to select the next title, chapter or track on a disc.

22. ■ button

Press to stop playing a disc.

Press to go to a folder list of picture file list.

▶ PLAY button

Press to start and resume playback of a disc.

⏸ PAUSE button

Press to pause playback and single frame advance.

23. AUDIO button

Press to select audio soundtracks on a DVD or change the output mode of a CD.

24. ⏪ SLOW button

Press to perform slow forward playback of a DVD.

25. DVD MENU button

Press to enter the main menu of the DVD.

26. SETUP button

Press to enter and exit the SETUP menu of the DVD.

27. A-B button

Press to perform point-to-point repeat playback on a DVD or CD.

REPEAT button

Press to repeat a chapter or title of a DVD.

Press to repeat a single track or whole CD.

28. DISPLAY button

Press to change disc status information displayed on the screen.

SOUND button

Press to select from preset sound settings to match the type of show you are watching. (Standard / Personal / Theater / Voice / Music)

29. LCD MODE button

Press to set size of LCD display.

PICTURE button

Select from preset screen display settings to match the type of show you are watching. (Personal / Soft / Movie / Standard / Dynamic)

CONNECTIONS

CONNECTING A TV ANTENNA / CABLE / SATELLITE

To view television channels correctly, a signal must be received from one of the following sources:

- An indoor or outdoor aerial antenna
- A cable system
- A satellite system

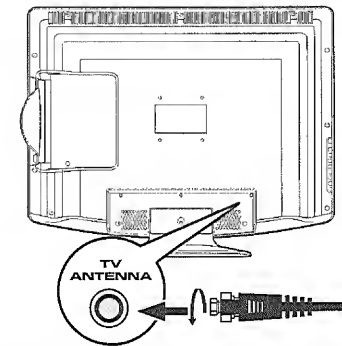
Connecting a Digital Antenna

The tuner in this TV receives ATSC TV signals from an antenna.

This digital TV can receive standard (SDTV) and high definition (HDTV) over the air broadcasts.

Connecting an Analog Antenna or Device

The tuner in this TV receives NTSC TV signals, analog cable signals or the RF output from a satellite receiver, VCR or cable box.



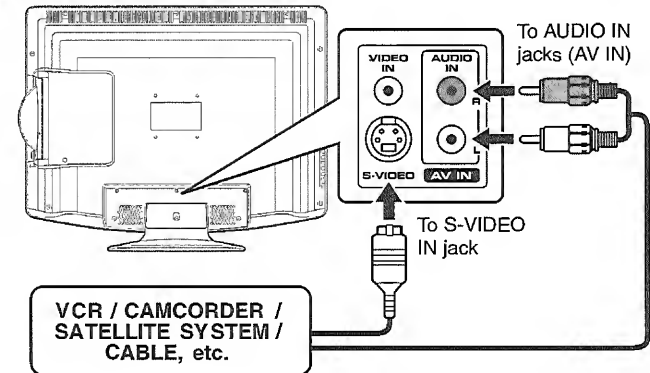
Satellite, cable or TV antenna cable to TV ANTENNA terminal (cable not included)

CONNECTING AN A/V DEVICE

To connect to other equipment such as a VCR, camcorder, satellite system or cable, etc.

Connecting to a VCR / Camcorder / Satellite System / Cable

Connect the AUDIO and S-VIDEO cable (not included) as shown. Make sure you connect the cable from the other equipment (AUDIO OUT and S-VIDEO OUT) to this unit (AUDIO IN and S-VIDEO IN).



NOTE

Please refer to the user manual for the other equipment for more information.

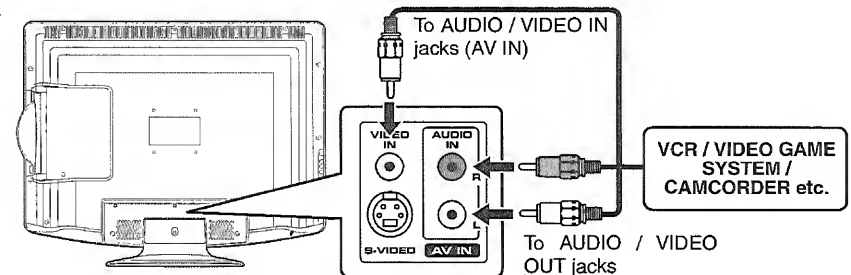
CONNECTING DEVICES WITH A COMPOSITE (YELLOW RCA-TYPE) VIDEO OUTPUT

To connect A/V devices such as a VCR, video game system or camcorder.

Connecting to a VCR / Video Game System / Camcorder

Connect the AUDIO / VIDEO cable (not included) as shown.

Make sure you connect the cable from the other equipment (AUDIO and VIDEO OUT) to this unit (AUDIO and VIDEO IN).



NOTE

Please refer to the user manual for the other equipment for more information.

CONNECTIONS

CONNECTING DEVICES WITH A COMPOSITE (YELLOW RCA-TYPE) VIDEO INPUT

To connect A/V devices such as a VCR, PVR or camcorder.

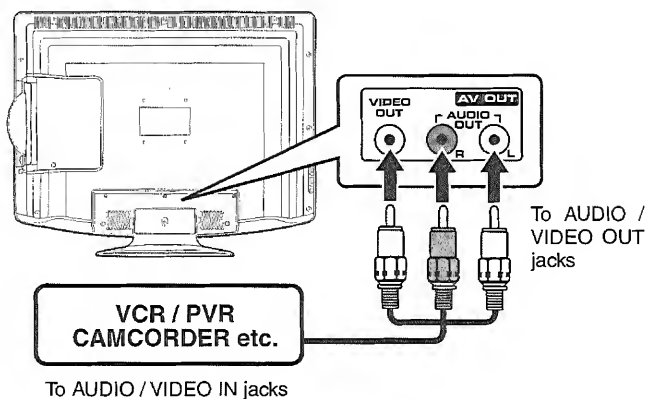
Connecting to a VCR / PVR / Camcorder

Connect the AUDIO / VIDEO cable (not included) as shown.

Make sure you connect the cable from the other equipment (AUDIO and VIDEO IN) to this unit (AUDIO and VIDEO OUT).

NOTE

Please refer to the user manual for the other equipment for more information.

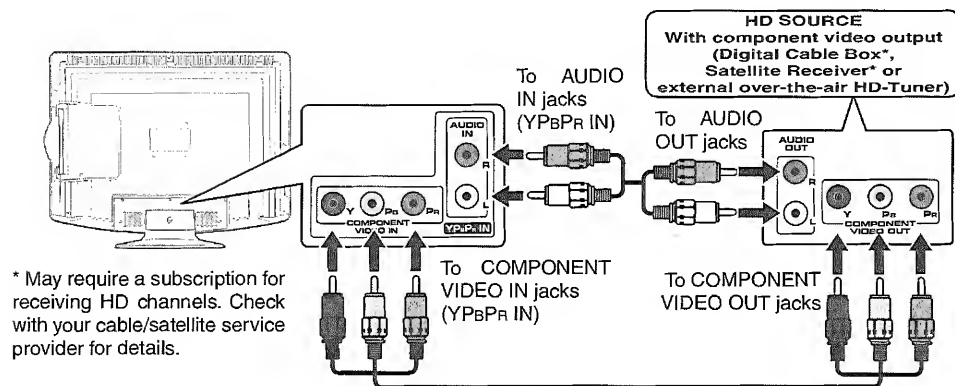


CONNECTING A HIGH-DEFINITION (HD) SOURCE

High-Definition (HD) Devices with component video output must be connected to the YPbPr input.

Connect the component video cable and audio cable (not included) as shown.

Make sure you connect the component video cable and audio cable from the other equipment (COMPONENT VIDEO OUT and AUDIO OUT) to this unit (COMPONENT VIDEO IN and AUDIO IN - YPbPr IN).



* May require a subscription for receiving HD channels. Check with your cable/satellite service provider for details.

NOTE

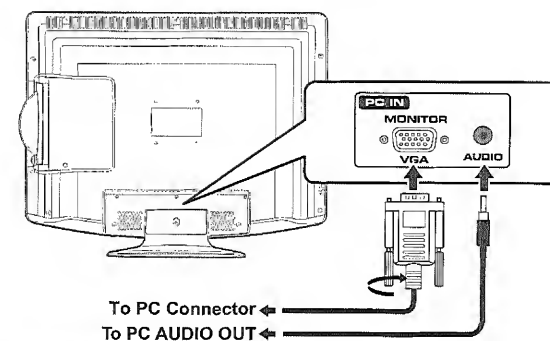
When connecting a DVD player to the television, the picture resolution is solely dependent upon the resolution supported by the DVD player attached. DVD player resolutions vary from 480i to 1080i, and this unit can support DVD players up to a maximum resolution of 1080i.

CONNECTIONS

CONNECTING A PC

Connect the 15-pin D-SUB PC/VGA connector from your computer to the 15-pin D-SUB PC/VGA input on this unit using a monitor cable and an audio cable (not included) as shown.

Make sure you connect the cable from the computer (PC Connector and AUDIO - PC OUT) to this unit (MONITOR / VGA and AUDIO - PC IN).

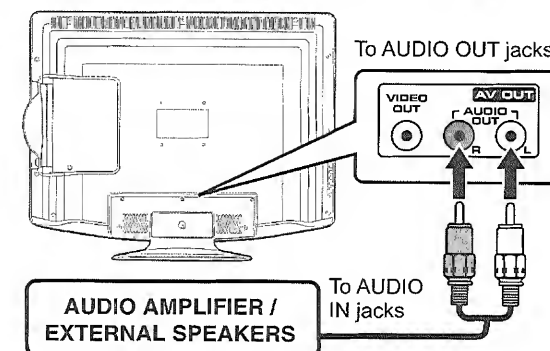


CONNECTING AN AUDIO AMPLIFIER

This connection allows you to use an audio amplifier and external speakers.

Connect the AUDIO cable (not included) as shown.

Make sure you connect the cable from the other equipment (AUDIO IN) to this unit (AUDIO OUT).

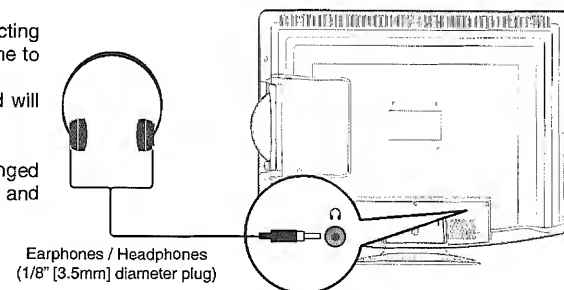


USING HEADPHONES

- Turn down the volume before connecting headphones to the unit, then adjust the volume to your desired level.
- When headphones are connected, no sound will come from the front speakers.

Note:

- Avoid listening to sound at high levels for prolonged periods of time. This may be harmful to you and may cause hearing loss.



DOLBY DIGITAL (FOR DVD)

Dolby Digital is a sound system developed by Dolby Laboratories Inc. This unit automatically recognizes DVDs that have been recorded with Dolby Digital.

Not all Dolby Digital sources are recorded with 6 channels.

Some sources marked Dolby Digital may be recorded in Dolby Surround, a 2 channel system. Look for this logo on your unit.


Manufactured under license from Dolby Laboratories.

'Dolby' and the double-D symbol are trademarks of Dolby Laboratories.



CONNECTIONS

TURNING THE UNIT ON


When the AC power cord is connected, press the  / I button on the unit to turn it on. Press the FUNCTION button to select the desired mode (TV / DVD / AV in / YPbPr in or PC in). If you select DVD, the DVD logo will appear on the screen.



Note: When the unit is not going to be used for a long time, disconnect the AC power cord from AC power outlet.

POWER SUPPLY

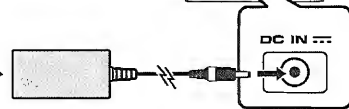
USING THE AC POWER ADAPTER

- The supplied AC power adapter operates on AC 120V.
- Press the  / I button on the top of the unit or remote control to turn on the unit.

Note

- The AC power adapter included with this unit is for its use only. Do not use it with other equipment.
- Be sure the AC power adapter is disconnected and all functions are off before making connections.
- Make sure that all the components are connected correctly.
- **To prevent electrical shock, match wide blade of plug to wide slot of wall outlet, then fully insert.**
- When you are not going to use the unit for a long period of time, disconnect the AC power adapter.

To AC wall outlet



USING THE CAR POWER ADAPTER

The car power adapter allows the unit to be used with vehicles that have a 12V, negative ground electrical system.

CAUTION

- Use the provided car power adapter only. Use with other car power adapters could damage the unit.
- The car power adapter included with this unit is for its use only. Do not use it with other equipment.
- In the interest of traffic safety, do not operate this unit or view videos while driving a vehicle.
- Make sure the unit is securely fastened to prevent it from falling or flying through the air in the event of an accident.
- When the inside of the cigarette lighter socket is dirty with ashes or dust, the plug section may become hot due to poor contact. Be sure to clean the cigarette lighter socket before use.
- After use, disconnect the car power adapter from both the unit and cigarette lighter socket.

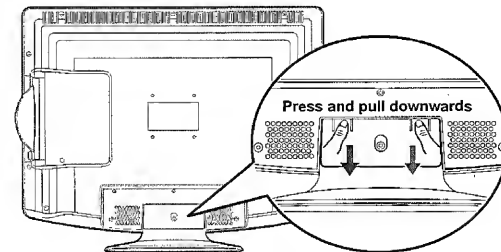
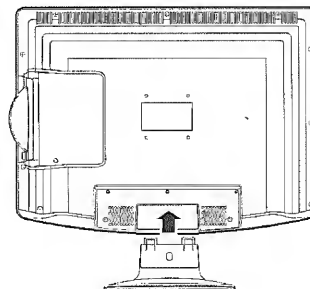


INSTALLATION

INSTALLING / REMOVING THE BASE STAND

WARNING: The LCD Display is very fragile, and must be protected at all times when removing the base stand. Be sure that no hard or sharp object, or anything that could scratch or damage the LCD display, comes into contact with it. Do NOT exert pressure on the front of the unit at any time because the screen could crack.

1. Disconnect all cables or cords connected to the unit.
2. Lay the unit down on a flat surface with the back side facing up. Please make sure to place a soft cushioned material (such as a pillow or thick piece of foam) beneath the screen.



3. To install the base stand, place the base stand on the mounting slot, push the stand till it locks.

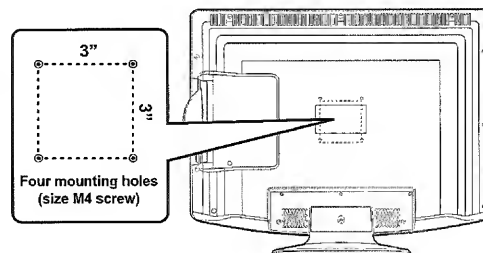
4. To remove the base stand, keep pressing the locking area of the base stand and pull downwards to release the base stand.

MOUNTING ON THE WALL

This unit is VESA-compliant, and is designed to be wall-mounted with a VESA-compliant 3" x 3" (75mm x 75mm) mounting kit designed for flat-panel TVs (sold separately). Mount this unit according to the instructions included in the mounting kit.

NOTE

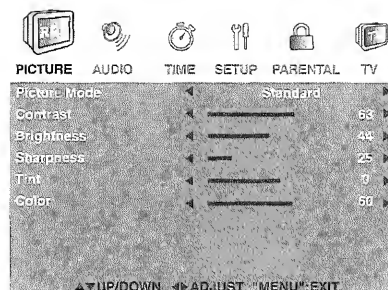
Remove the base stand before mounting the unit on the wall.



TV SETUP

PICTURE MENU

1. Press the **MENU** button.
2. Press the **▼** button to enter **PICTURE** settings.
3. Use the **▲** or **▼** button to select the options (**Picture Mode**, **Contrast**, **Brightness**, **Sharpness**, **Tint** or **Color**). Adjust them using the **◀** or **▶** button (Screen will change to your desired setting).
4. Repeat step 3 to adjust other options.
5. To exit the MAIN MENU and return to the normal screen, press the **EXIT** or **MENU** button repeatedly.



Picture Mode : Select from preset screen display settings to match the type of show you are watching (Standard, Soft, Movie and Personal). Select Personal mode to recall your custom settings on contrast, brightness, sharpness, tint and color.

Contrast : Adjust to sharpen the picture quality. The black portions of the picture become richer in darkness and the white become brighter.

Brightness : Adjust the brightness of the picture. Brighten or darken the whole picture.

Sharpness : Adjust the sharpness level to improve detail in the picture.

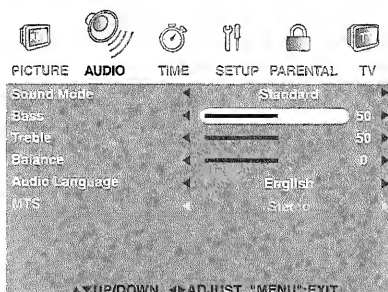
Tint : Adjust the tint of the picture. (toward purple / toward green)

Color : Adjust the color of the picture.

AUDIO MENU

1. Press the **MENU** button.
2. Use the **◀** or **▶** button to select **AUDIO**, then press the **▼** button to enter the **AUDIO** settings.
3. Use the **▲** or **▼** button to select the options (**Sound Mode**, **Bass**, **Treble**, **Balance**, **Audio Language** or **MTS**). Adjust them using the **◀** or **▶** button.
4. Repeat step 3 to adjust other options.
5. To exit the MAIN MENU and return to the normal screen, press the **EXIT** or **MENU** button repeatedly.

Note: Experiment with different sound settings until you find the settings you prefer.



Sound Mode : Select from preset sound settings (Standard, Music, Movie or Personal) to match the type of show you are watching. Select Personal mode to recall your custom settings on bass, treble and balance.

Bass : Adjust the bass range.

Treble : Adjust the treble range.

Balance : Adjust the balance level toward the left or right speakers.

Audio Language : Select from English / French / Spanish. (Available for digital channels if multiple audio languages are broadcasted.)

MTS (Multi Channel Television Sound): Select Stereo / SAP (Secondary Audio Program) / Mono.

Note: Some TV stations broadcast audio in more than one language, the SAP (Secondary Audio Programs) feature allows you to listen to this, if available.

TV SETUP

TIME MENU

1. Press the **MENU** button.
2. Use the **◀** or **▶** button to select **TIME**, then press the **▼** button to enter the **TIME** settings.
3. Use the **▲** or **▼** button to select the options (**OSD Duration**, **Sleep Timer**, **Time Zone** or **Day Saving Time**). Adjust them using the **◀** or **▶** button.
4. Repeat step 3 to adjust other options.
5. To exit the MAIN MENU and return to the normal screen, press the **EXIT** or **MENU** button repeatedly.



OSD (On Screen Display) Duration : Select the length of time for the On screen menu is displayed : 15 Sec / 30 Sec / 45 Sec / 60 Sec.

Sleep Timer : Select the length of time before the unit automatically changes to Standby mode : Off -> 5 Minutes -> 10 Minutes -> 15 Minutes -> 30 Minutes -> 60 Minutes -> 90 Minutes -> 120 Minutes -> Off.

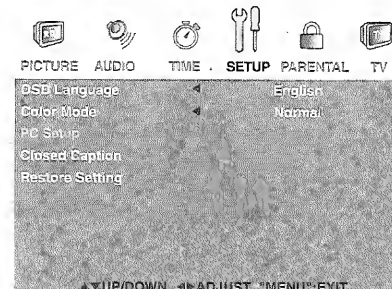
Time Zone : Select the time zone from Eastern / Central / Mountain / Pacific / Alaska / Hawaii.

Day Saving Time : Select On to activate daylight savings time.

Clock : Display the current time.

SETUP MENU

1. Press the **MENU** button.
2. Use the **◀** or **▶** button to select **SETUP**, then press the **▼** button to enter the **SETUP** settings.
3. Use the **▲** or **▼** button to select the options (**OSD Language**, **Color Mode**, **PC Setup**, **Closed Caption** or **Restore Setting**). Adjust them using the **◀** or **▶** button (Screen will change to your desired setting); or press the **▶** button to go into the detailed settings.
4. Press the **MENU** button to return to the previous menu.
5. Repeat steps 3 and 4 to adjust other options.
6. To exit the MAIN MENU and return to the normal screen, press the **EXIT** or **MENU** button repeatedly.



OSD (On Screen Display) Language : Select On-screen menu language from English / French / Spanish.

Color Mode : Adjust the three color temperature of the picture. Choose from Normal (balanced), Warm (red white), or Cool (blue white) modes.

Restore Setting : If you reset the TV to the factory settings, all your present settings on PICTURE and AUDIO will be erased and replaced by the factory's default settings.

PC SETUP (IN PC MODE ONLY)

- Resolution : 1,440 x 900
- Refresh Frequency : 60Hz

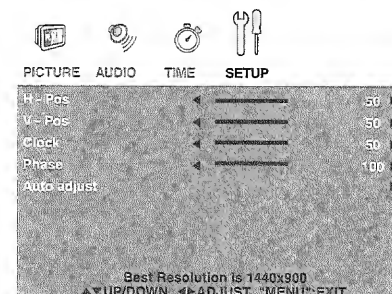
H - Pos : Center the image by moving it left or right.

V - Pos : Center the image by moving it up or down.

Clock : Adjusts the display clock to change width of the image.

Phase : Adjusts the image if there is flicker of screen letters, color misalignment, or blurring.

Auto Adjust : Adjust the image automatically.



TV SETUP

Closed Caption

Note

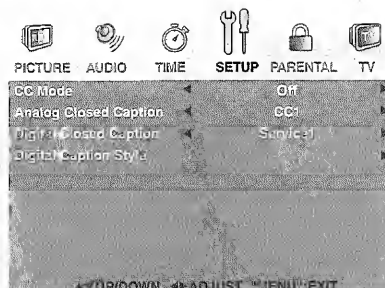
This function only works on ATSC programs broadcast with captions.

CC Mode : Select closed caption On, Off or CC on Mute.

Analog Closed Caption : Select the analog closed caption.

Digital Closed Caption : Select the digital closed caption.

Digital Caption Style : Select as Broadcaster to use the default digital caption style of the broadcaster. Select Custom to activate the caption style items and set your desired detailed settings.

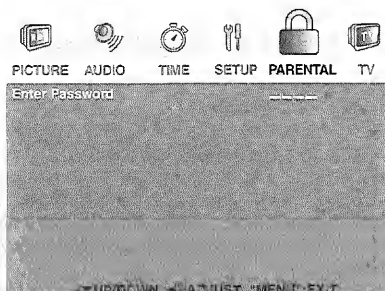


PARENTAL MENU

Password

1. Press the **MENU** button.
2. Use the ◀ or ▶ button to select **PARENTAL**, then press the ▼ button to enter the **PARENTAL** settings. The menu locked screen will be displayed.
3. Enter a 4-digit password. Once entered, the screen will enter the Parental menu. The preset password is 0000.

If you forget the password, enter "8888" to unlock parental control.



Parental

1. Use the ▲ or ▼ button to select various Parental settings. Adjust them using the ◀ or ▶ button, or press the ▶ button to go into the detailed settings.
2. Press the **MENU** button to return to the previous menu.
3. Repeat steps 1 - 2 to adjust other options.
4. To exit the MAIN MENU and return to the normal screen, press the **EXIT** or **MENU** button repeatedly.

Change Password : Enter the old password (the preset password is 0000 if you did not change it), then enter new password and confirm it. (Remember your password!)

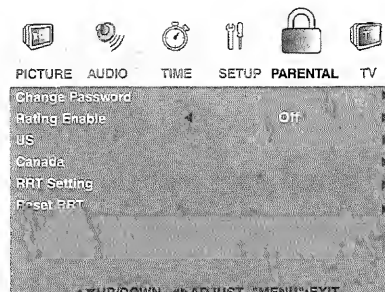
Rating Enable : Select On to edit the following parental items. Select Off to disable parental control.

US : Set TV and MPAA ratings.

Canada : Set Canada English and Canada French ratings.

RRT Setting : Set Rating Region Table.

Reset RRT : Reset Rating Region Table to the default settings.



TV SETUP

U.S. TV Ratings	TV-Y : Recommended for all children. TV-Y7 : Recommended for all children age 7 and above. TV-G : General Audience. TV-PG : Parental Guidance Suggested. TV-14 : Parental Strongly Cautioned. TV-MA : Mature Audience Only.
U.S. MPAA Ratings	N/A : Not rated. G : GENERAL AUDIENCES, Suitable for all ages. PG : PARENTAL GUIDANCE SUGGESTED - Some material may not be suitable for children. PG-13 : PARENTS STRONGLY CAUTIONED - Some material may be inappropriate for children under 13. R : RESTRICTED, Under 17 requires accompanying parent or adult guardian for viewing in movie theaters. NC-17 : No one 17 or under admitted in movie theaters. X : Adults Only.
Canadian English Ratings	E : Exempt. C : Children. C8+ : Recommended for children age 8 and older. G : GENERAL AUDIENCES, Suitable for all ages. PG : PARENTAL GUIDANCE SUGGESTED - Some material may not be suitable for children. 14+ : Viewers 14 years and older. 18+ : Adult Programming.
Canadian French Ratings	E : Exempt. G : GENERAL AUDIENCES, Suitable for all ages. 8 ans+ : Not recommended for young children. 13 ans+ : Not suitable for children under the age of 13. 16 ans+ : Not suitable for children under the age of 16. 18 ans+ : Adult Programming.

TV MENU (FOR TV MODE ONLY)

1. Press the **MENU** button.
2. Use the ◀ or ▶ button to select **TV**, then press the ▼ button to enter the TV settings.
3. Use the ▲ or ▼ button to select the options (**Antenna**, **Auto Scan**, **Auto Scan Add CH**, **Channel Skip**, **Channel No.**, **Channel Label** or **DTV Signal**). Adjust them using the ◀ or ▶ button, or press the ▶ button to go into the detailed settings.
4. Press the **MENU** button to return to the previous menu.
5. Repeat steps 3 and 4 to adjust other options.
6. To exit the MAIN MENU and return to the normal screen, press the **EXIT** or **MENU** button repeatedly.

Antenna : Air (over-the-air broadcasts, Ch 2-69) or CATV (cable/satellite broadcasts, CH 1-135) mode are available.

Auto Scan : Search for usable stations and store them in memory.

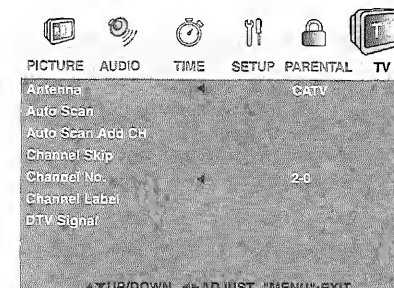
Auto Scan Add CH : Search for more usable stations and add them in memory. The stations stored before are still kept.

Channel Skip : Skip weak channels and the channels you don't like.

Channel No. : Select a different TV channel.

Channel Label : Display and edit the channel label.

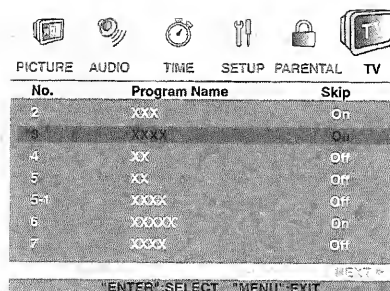
DTV Signal : Display the signal strength (for digital TV channels only).



TV SETUP

CHANNEL SKIP

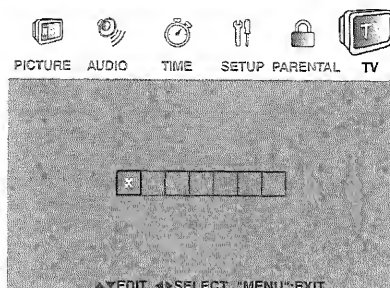
1. Use the ▲ or ▼ button to select a channel. (Press the ► button to select the last channel of the page; press again to go to the next page. Press the ◀ button to select the first channel of the page; press again to return to the previous page.)
2. Press the ENTER button to shift between On / Off. (Select On to skip the selected channel. The channel will not appear when you press the CH ▲ / CH ▼ button.)



CHANNEL LABEL

You can edit a label for each channel.

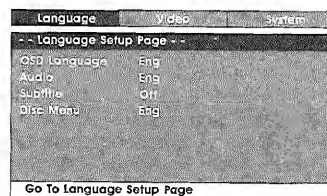
1. Use the ▲ or ▼ button to select the number or letter. Use the ◀ or ► button to move and edit the next character.
2. After editing, the Channel and Channel Label will be shown on the screen when you press the DISPLAY button.



CUSTOMIZING THE DVD FUNCTION SETTINGS

LANGUAGE SETUP

1. Press the SETUP button in stop mode.
2. Use the ▲ or ▼ button to select the option (OSD Language, Audio, Subtitle or Disc Menu), press the ► button.
3. Use the ▲ or ▼ button to select your preferred language, then press the ENTER button to confirm.
4. Press the ◀ button to go back to previous menu. Repeat steps 2 and 3 to adjust other options.
5. To exit the SETUP MENU and return to the normal screen, press the SETUP button.



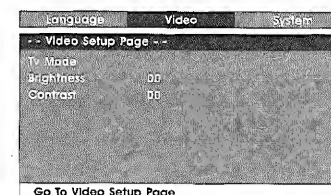
Note:

- Some DVDs may not play in the audio language you selected. A prior language may be programmed on the disc.
- Some DVDs may be set to display subtitles in a language other than the one you selected. A prior subtitle language may be programmed on the disc.
- Some DVDs allow to change subtitle selections only via the disc menu. If this is the case, press the DVD MENU button and choose the appropriate subtitle from the selection on the disc menu.
- Some DVDs may not include your pre-selected language. In this case, the DVD player automatically displays disc menus consistent with the disc's initial language setting.

CUSTOMIZING THE DVD FUNCTION SETTINGS

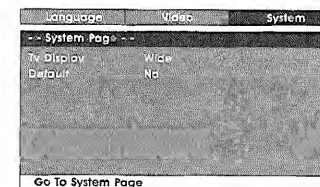
VIDEO SETUP

1. Press the SETUP button in stop mode.
2. Use the ◀ or ► button repeatedly until VIDEO SETUP appears.
3. Use the ▲ or ▼ button to select the option (Tv Mode, Brightness or Contrast), then press the ► button. Use the ▲ or ▼ button to make adjustments, then press the ENTER button. (The screen will change to your selected setting).
4. Repeat steps 2 and 3 above to adjust other options.
5. To exit the SETUP MENU and return to the normal screen, press the SETUP button.



SYSTEM SETUP

1. Press the SETUP button in stop mode.
2. Use the ◀ or ► button repeatedly until SYSTEM SETUP appears.
3. Use the ▲ or ▼ button to select the option (Tv Display or Default), then press the ► button. Use the ▲ or ▼ button to make adjustments, then press the ENTER button. (The screen will change to your selected setting).
4. Repeat steps 2 and 3 above to adjust other options.
5. To exit the SETUP MENU and return to the normal screen, press the SETUP button.



TV Display

Pan Scan

- When wide-screen video is played, this mode clips the right and left sides of the image so that it can be viewed on a conventional screen.
- Some wide-screen DVDs that do not permit Pan Scan playback are automatically played in Letter Box mode (black bands at top and bottom of screen).

Letter Box

- When wide-screen video is played in this mode on a conventional screen, black bands appear at the top and bottom of the screen.

Wide-screen

- This is the correct mode for playing wide-screen videos on a wide-screen.

Note:

- The displayable picture size is preset on the DVD discs. Therefore the playback picture of some DVDs may not conform to the picture size you select.
- When you play DVDs recorded in the 4:3 aspect ratio, the playback picture will always appear in the 4:3 aspect ratio regardless of the TV shape setting.

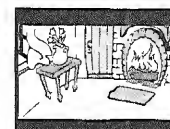
Default

It takes 3-5 seconds to reset the unit to the factory default.

Cut off when a wide-screen video image is played



Pan Scan



Letter Box



Wide-screen

CD / DVD OPEARTION

This owner's manual explains the basic instructions of this unit. Some DVDs are produced with limited operation during playback. For example, many DVDs do not allow users to skip government warnings, or in some cases previews or other features. This is not a defect in the unit. Refer to the instruction notes of discs. "ⓧ" may appear on the screen during operation. A "ⓧ" means that the desired operation is not permitted by the unit or disc.

PLAYING A DISC

1. Press the **⏻ / I** button to turn on the unit.
2. Press the **FUNCTION** button to select DVD mode.
See **CUSTOMIZING THE DVD FUNCTION SETTINGS** before proceeding to step 3.
3. Press the **▲** button to open the disc door on the right side of main unit.
4. Hold the disc by its edge and gently push it onto the spindle, with the label side facing the front, until you hear a "click".
5. Push disc door gently to close it. It takes a short while for your unit to load the disc. After loading, the unit will automatically either bring you to the main menu of DVD, or start playing the DVD. If the unit does not automatically start playing the DVD, press the **▶ PLAY** button on the remote control.

PLAYING A PICTURE FILE DISC

This unit can play picture files recorded on CD-R and CD-RW discs.

1. Press the **▲** button to open the disc door.
2. Hold the disc by its edge and gently push it onto the spindle, with the label side facing the front, until you hear a "click".
3. Push the door gently to close it. The picture files on the disc will be displayed one by one automatically.
4. Press the **■ STOP** button to go to the folder list.
5. Press the **▲** or **▼** button to highlight a file to play. Press the **▶ PLAY** button to start playback.

Note:

- You can press the **II PAUSE** button to interrupt playback, and press the **▶ PLAY** button to resume playback.
- You also can use the **GOTO** function or use the numbered buttons to enter the image number to quickly select any image.

PAUSING PLAYBACK (STILL MODE)

Press the **II PAUSE** button. To resume normal playback, press the **▶ PLAY** button. Each time you press the **II PAUSE** button, the picture advances one frame.

STOPPING PLAYBACK

Press the **■ STOP** button at the location where you want to interrupt playback. To resume playback at the position where the disc was stopped, press the **▶ PLAY** button.

If you press the **■ STOP** button twice, the unit's memory will be cleared and pressing the **▶ PLAY** button will reset the disc to the beginning.

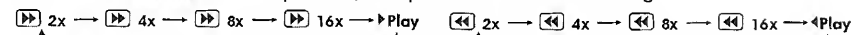
SKIPPING TO A DIFFERENT TRACK

- Press the **◀◀ PREV** button to go back to previous titles/chapters/tracks.
- Press the **▶▶ NEXT** button to advance titles/chapters/tracks.
- For an audio CD, use the number buttons on the remote control to go directly to the desired track number.

CD / DVD OPEARTION

FAST FORWARD / FAST REVERSE

1. Press the **◀◀** or **▶▶** button when a disc is playing.
 - The disc begins a fast scan at two times normal (x2) speed.
 - Each time the **◀◀** / **▶▶** button is pressed, the speed of the fast scan changes.



2. Press the **▶ PLAY** button when you have reached the desired point to resume playback at normal speed.

SLOW-MOTION PLAY (DVD)

1. In Play mode, press the **▶ SLOW** button on remote control. Each time the **▶ SLOW** button is pressed, the speed of slow-motion playback changes in the following sequence:



2. Press the **▶ PLAY** button to return to the normal playback speed.

AUDIO SELECTION (DVD)

In some discs, the sound is recorded in two or more formats. Follow the directions below to select the type of playback.

Audio 1/3: Dolby D 2ch English

1. While a disc is playing, press the **AUDIO** button to show the current audio format number.
2. Press the **AUDIO** button repeatedly to select the desired audio format.

Note:

- If only one audio format is recorded, the number does not change.
- About two seconds later, playback continues in the new audio format.

SUBTITLE SELECTION (DVD)

Subtitle 02/03: Spanish

1. While a DVD is playing, press the **SUBTITLE** button to display the current language setting.
2. Press the **SUBTITLE** button repeatedly to select the desired subtitle language.

Note:

- If only one language is recorded, the language does not change.
- About two seconds later, playback continues with the new subtitle you selected.
- The number of languages recorded differs depending on the disc.
- If no button is pressed within a few seconds, playback continues without changing the current subtitle.
- This function can only be used for discs on which subtitles have been recorded in multiple languages.
- In some DVDs, subtitles are activated from the main menu of the DVD. Press the **DVD MENU** button to activate the main menu.

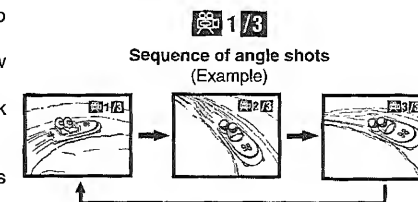
ANGLE SELECTION (DVD)

Some DVDs contain scenes which have been shot from a number of different angles. For these discs, the same scene can be viewed from each of these different angles.

1. While you are playing a DVD with different angles recorded, press the **ANGLE** button to view the number of the current angle available.
2. Press the **ANGLE** button repeatedly to change the scene to the next angle in those recorded.
 - About two seconds later, playback continues from the new angle you selected.
 - If no button is pressed within 10 seconds, playback continues without changing the current angle.

Note:

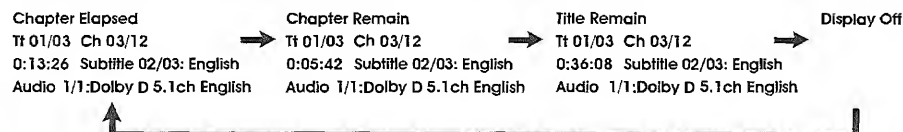
- This function can only be used for discs on which scenes shot from multiple angles have been recorded.
- If only one angle is recorded, "ⓧ" is displayed.



SPECIAL FUNCTIONS

DISPLAY

While the disc is playing, press the DISPLAY button repeatedly to display information on operation status.



LOCATING A SPECIFIC TITLE (DVD)

If a DVD disc contains title numbers, you can locate a specific title by directly selecting its title number.

Title /03 Chapter 00/00

1. Press the GOTO button.
2. Press the ◀ or ▶ button to highlight a specific field and press the corresponding number button(s) for the title you want.
3. Press the ENTER button to confirm. The unit will start playback about 3 second later.

LOCATING A SPECIFIC CHAPTER / TRACK

If you know the chapter / track number you want to play, you can locate a specific chapter / track by directly selecting a chapter / track number.

Title 01/03 Chapter /12

1. Press the GOTO button to search for your desired chapter / track.
2. Press the ◀ or ▶ button to highlight a chapter / track and press the corresponding number button(s) for the chapter / track you want.
3. Press the ENTER button to confirm. The unit will start playback about 3 second later.

LOCATING A SPECIFIC TIME

You can move to a specific location by entering its corresponding time (hours, minutes, seconds)

Title 01/03 Time : :

1. Press the GOTO button.
2. Press the ◀ or ▶ button to highlight a time and press the corresponding number button(s) for the setting point you want.
3. Press the ENTER button to confirm. The unit will start playback about 3 second later.

Note:

- Some discs may not respond to this process.
- This method of locating a title/chapter is available only on a DVD disc that contains title/chapter numbers.
- Some scenes may not be located as precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD disc.

REPEAT PLAYBACK

For DVD, you can play a specific title or chapter repeatedly. (Title repeat, chapter repeat, A-B repeat)

1. REPEATING A CHAPTER

You can play the same chapter repeatedly.

While the disc is playing, press the REPEAT DISC button until the "↺ Chapter" indicator displays on the screen. The current chapter is played repeatedly.

2. REPEATING A TITLE

You can play the same title repeatedly.

While the disc is playing, press the REPEAT DISC button until the "↺ Title" indicator displays on the screen. The current title is played repeatedly.

3. TO RESUME NORMAL PLAYBACK

While the disc is playing, press the REPEAT DISC button until the "Repeat Off" indicator displays on the screen.

For CD, you can play a single track or an entire disc repeatedly. (Single track repeat, entire disc repeat, and A-B repeat)

1. REPEATING A SINGLE TRACK

You can play the same track repeatedly.

While the disc is playing, press the REPEAT DISC button until the "Repeat One" indicator displays on the screen. The current track is played repeatedly.

2. REPEATING AN ENTIRE DISC

While the disc is playing, press the REPEAT DISC button until the "Repeat All" indicator displays on the screen. The entire disc is played repeatedly.

3. TO RESUME NORMAL PLAYBACK

Press the REPEAT DISC button until the "Repeat Off" indicator displays on the screen.

REPEATING A SPECIFIC SECTION (DVD / CD)

You can play a specific section repeatedly for DVD and CD.

1. While the disc is playing, press the REPEAT A-B button at the beginning of the section ("↺ A" is displayed) you want to play repeatedly.
2. Press the REPEAT A-B button again at the end of the section ("↺ AB" is displayed) you want to play repeatedly.
3. The unit will immediately begin replaying your selection.

TO RESUME NORMAL PLAYBACK

4. While the disc is playing, press the REPEAT A-B button until the "↺ AB OFF" indicator displays on the screen.

Note:

- A-B repeat can only be used within the same title for DVD and same track for CD.
- The A-B repeat function does not operate in scenes where different camera angles are recorded in DVD.

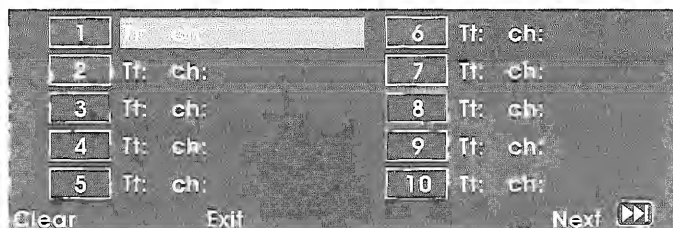
DVD PROGRAMMABLE PLAYBACK

PROGRAMMABLE MEMORY

The two types of programmed playback provided by this unit is title/chapter programmed playback.

TITLE/CHAPTER PROGRAMMED PLAYBACK

1. Press the MEMORY button in PLAY mode.
2. Input the title T (2 digits) and chapter C (2 digits) by pressing the number buttons.
(For example : 01 02, 02 05, 02 11.) It will move to the next item automatically.
3. Repeat steps 2 to add additional titles and chapters.
4. Press the ► PLAY button to start the programmed playback.

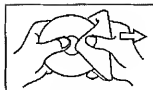


MAINTENANCE

CLEANING THE DISC

A defective or dirty disc inserted into the unit can cause sound to drop out during playback. Handle the disc by holding its inner and outer edges.

- Do NOT touch the surface of the unlabeled side of the disc.
- Do NOT stick paper or tape on the surface of the disc.
- Do NOT expose the disc to direct sunlight or excessive heat.
- Clean the disc before playback. Wipe the disc from the center outward with a cleaning cloth.
- NEVER use solvents such as benzene or alcohol to clean the disc.
- Do NOT use irregular shape discs (example : heart shaped, octagonal, etc.). They may cause malfunctions.



CLEANING THE UNIT

- Be sure to turn the unit off and disconnect the AC power adapter before cleaning the unit.
- Wipe the unit with a dry soft cloth. If the surfaces are extremely dirty, wipe clean with a cloth which has been dipped in a weak soap-and-water solution and wrung out thoroughly. Then wipe it with a dry cloth.
- Never use alcohol, benzene, paint-thinner, cleaning fluid or other chemicals. Do NOT use compressed air to remove dust.

IMPORTANT NOTE

Before shipping the unit, remove any disc from the disc compartment.

TROUBLESHOOTING GUIDE

SYMPTOM

CAUSE (AND REMEDY)

No power.

- Check that the AC power adapter is connected.
- The unit is not turned on.

The remote does not function.

- Remove any obstacles between the remote and the unit.
- Use the remote near the unit.
- Point the remote at the remote sensor on the unit.
- Replace the batteries in the remote with new ones.

TV

Bad Picture (snow, multiple images, distortion, blurry)

- Check the location of the antenna and adjust it if necessary.
- Make sure the antenna cable is firmly connected.
- Make sure all input cables are firmly connected.

Black and white picture.

- Check the PICTURE MENU within the TV SETUP MENU.
- Check to make sure the program you are watching is broadcast in color and not black & white.

No picture or sound.

- Make sure the unit is plugged in and turned on.
- Make sure TV mode is selected.
- Try a new channel to check for possible station trouble.
- Make sure the antenna is connected properly.
- Increase the volume.
- Make sure the antenna or audio video source device is working properly.
- Make sure all cables are firmly connected.
- Check for local interference.

Colored patches of picture.

- Make sure there are no unshielded electrical devices nearby that are causing interference.
- Turn the unit off for 30 minutes, then try it again.

Function key does not respond correctly.

- Under the influence of electrostatic phenomenon, the product may malfunction and require user to power reset.
- Unplug and re-plug the AC power adapter.

DVD

No sound or only a very low-level sound is heard.

- Make sure that you select DVD mode.
- The system is in pause mode. Press the ► PLAY button to return to normal PLAY mode.
- Fast-forward or fast-reverse is performed. Press the ► PLAY button to return to normal play mode.
- The unit is too hot, shut off the unit for 30 minutes to cool it down.

No picture.

- The region number of the disc doesn't match the region number of this unit.



The picture is not clear.

- Clean the disc.
- The disc is scratched.

Severe hum or noise is heard.

- The plugs and jacks are dirty. Wipe them with a cloth slightly moistened with alcohol.
- Clean the disc.

The disc does not play.

- There is no disc inside ("No Disc" appears on the screen).
- Insert the disc correctly with the playback side facing frontwards.
- Clean the disc.
- A non-valid disc has been inserted. The unit and disc region number are incompatible.
- Condensation may have formed inside the unit due to a sudden change in temperature. Wait about an hour for it to clear and try again.